

generated January 2026

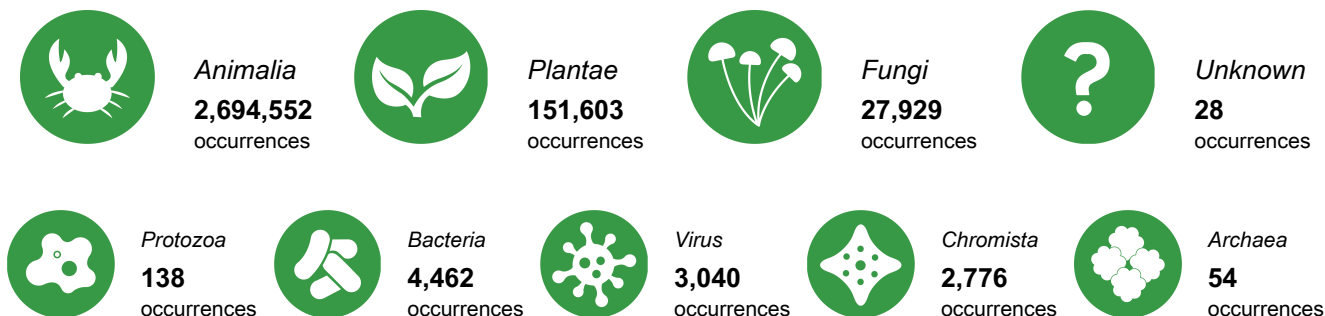
Uganda

This report provides a series of summary charts, statistics and other details about the mobilization and use of open-access species data through the GBIF network, relating to users and participating institutions in Uganda. These metrics show status at the time of report generation, unless otherwise noted. Taken together, the elements of this report can help guide and measure progress toward the information needs for biodiversity research, as well as for national commitments on biodiversity and sustainable development.

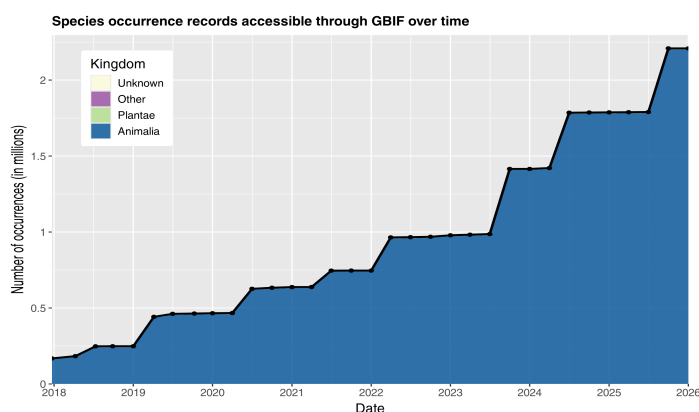
► Access and usage



► Data availability in Uganda



► Data mobilization

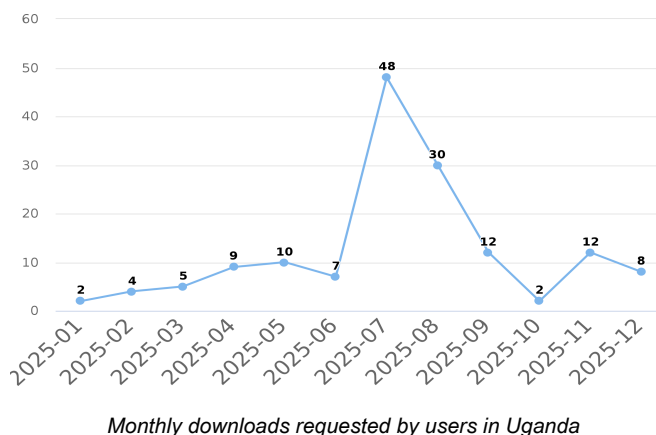
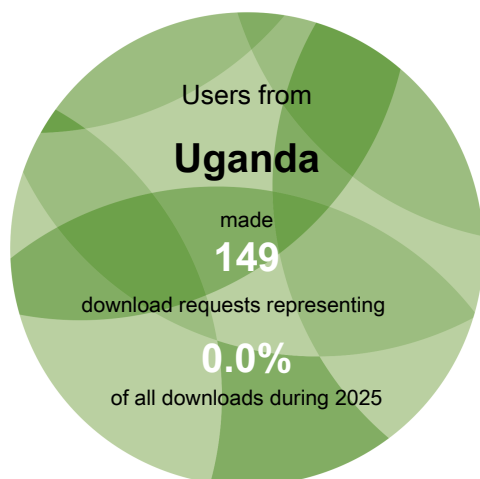


Number of records published by institutions in Uganda,
categorized by kingdom



Access and usage

Data downloads on GBIF.org from users in Uganda



Recent peer-reviewed articles using GBIF-mediated data by co-authors based in Uganda

The GBIF Secretariat maintains and reports on an ongoing literature tracking programme, giving priority to substantive uses of GBIF-mediated data in peer-reviewed literature while identifying the countries or areas of the authors' institutional affiliations. The citations below represent the five most recent journal articles with at least one co-author from Uganda.

Those interested in assisting the Secretariat in identifying additional peer-reviewed uses of GBIF-mediated data may forward relevant citations to comms@gbif.org.

Seebens, Meyerson, Richardson *et al.* (2025) Biological invasions: a global assessment of geographic distributions, long-term trends, and data gaps. *Biological Reviews*.
<https://doi.org/10.1111/brv.70058>

Tabo, Wangalwa, Rwibutso *et al.* (2025) Future climate and demographic changes will almost double the risk of schistosomiasis transmission in the Lake Victoria Basin. *One Health*.
<https://doi.org/10.1016/j.onehlt.2025.101148>

Ajao, Akomolafe, Olaniyan *et al.* (2025) Insufficient collection capacity and facility, bane of plant taxonomic research in Nigeria. *Botany*.
<https://doi.org/10.1139/cjb-2025-0008>

O'Sullivan, Richards, Kalema *et al.* (2025) The Useful Plants of Uganda: Conserving Socio-economically Valuable Plant Species Using Important Plant Areas (IPAs). *Economic Botany*.
<https://doi.org/10.1007/s12231-025-09631-7>

Kawuma, Stedje, Katuura *et al.* (2025) Diversity, Distribution and Habitat Suitability Assessment of Solanum Species of the Leptostemonum Clade in Uganda. *African Journal of Ecology*.
<https://doi.org/10.1111/aje.70021>

See all research from this country or area
gbif.org/country/UG/publications/from



Data availability

Total data available for selected taxonomic groups in Uganda



Mammals
53,680
occurrences



Birds
2,233,598
occurrences



Bony fish
30,107
occurrences



Amphibians
6,867
occurrences



Insects
268,416
occurrences



Reptiles
8,542
occurrences



Molluscs
27,008
occurrences



Arachnids
6,803
occurrences



Flowering plants
139,753
occurrences



Ferns
6,624
occurrences



Gymnosperms
240
occurrences



Mosses
3,023
occurrences



Sac fungi
19,362
occurrences



Basidiomycota
6,568
occurrences

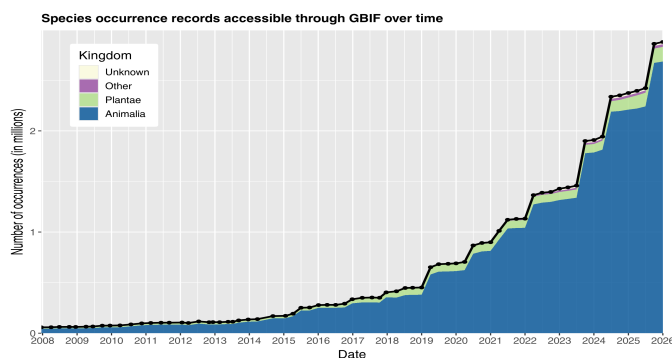
Mammals = Class *Mammalia*
Birds = Class *Aves*
Bony fish = Superclass
Osteichthyes p.p.
Amphibians = Class *Amphibia*

Insects = Class *Insecta*
Reptiles = Class *Testudines*,
Sphenodontia, *Squamata* &
Crocodylia
Molluscs = Phylum *Mollusca*

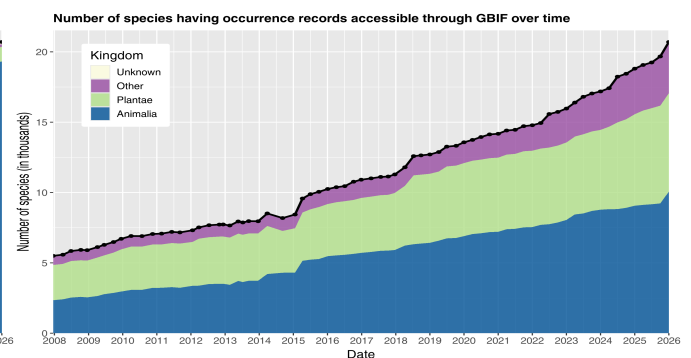
Arachnids = Class *Arachnida*
Flowering plants = Phylum
Magnoliophyta
Gymnosperms = Superclass
Gymnospermae

Ferns = Phylum *Pteridophyta*
Mosses = Phylum *Bryophyta*
Sac fungi = Phylum *Ascomycota*
Basidiomycota = Phylum
Basidiomycota

Change over time in records about biodiversity in Uganda



Occurrence records available about species occurring in Uganda



Species for which at least one occurrence record is available in Uganda

WHY MIGHT THE AMOUNT OF MOBILIZED DATA DECREASE?

Datasets are sometimes removed by publishers, but more often decreases in the number of records are due to the removal of duplicate records and datasets.

SPECIES COUNTS represent the number of binomial scientific names for which GBIF has received data records, organized as far as possible using synonyms recorded in key databases like the Catalogue of Life



Most recent datasets from publishers in Uganda

Spatial vegetation heterogeneity and distribution of papyrus endemic avifauna in Bukiro-Kibaare wetland, Ntungamo district. *Published by Kabale University*
<https://doi.org/10.15468/ufbgee>

Assessing the influence of land use patterns on the distribution and abundance of papyrus endemic birds in Nyaruteme wetland, Ntungamo District.. *Published by Kabale University*
<https://doi.org/10.15468/5vyqmu>

The interaction between distribution of papyrus endemic bird species and vegetation characteristics in a highly degraded key bird area. *Published by Kabale University*
<https://doi.org/10.15468/d8e725>

Site selection to protect Endemic birds in South western Uganda. *Published by Kabale University*
<https://doi.org/10.15468/rmtgys>

Abundance and distribution of endemic bird species in Rushebeya Kanyabaha wetland, Rukiga district, SouthWestern Uganda. *Published by Kabale University*
<https://doi.org/10.15468/6xys6x>

Fish taxa observed in the first national surveys of streams and rivers in Uganda. *Published by National Fisheries Resources Research Institute*
<https://doi.org/10.15468/sngcfm>

See all datasets from this country or area: gbif.org/dataset/search?publishing_country=UG

Newest publishers from Uganda

Kabale University

A Rocha Uganda

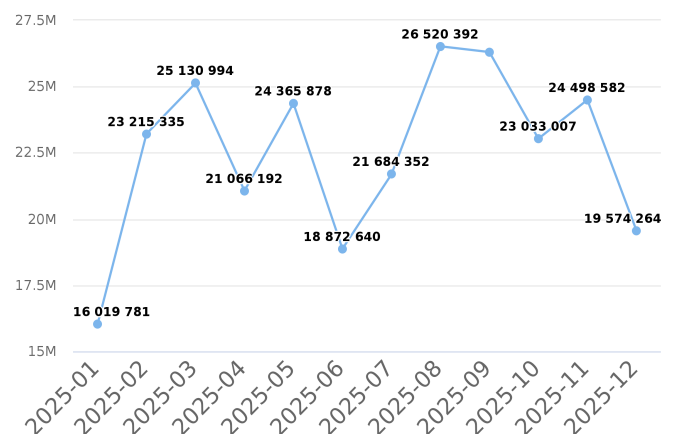
Makarere University, Department of Plant Science,
Microbiology and Biotechnology

Department of Zoology, Entomology and Fisheries
Sciences

National Biodiversity Data Bank

See all publishers from this country or area
gbif.org/publisher/search?country=UG

Occurrence records downloaded from GBIF.org, published by institutions in Uganda

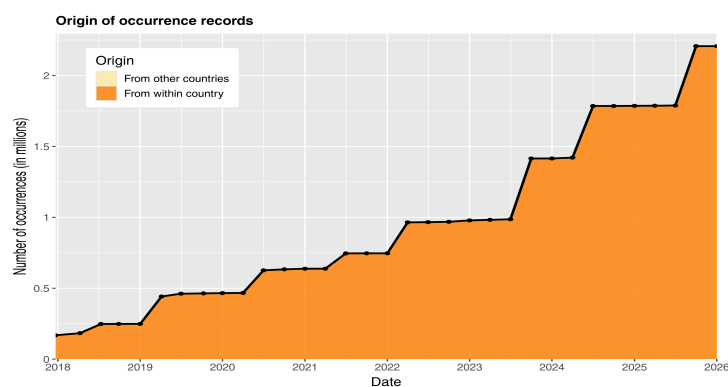


Number of occurrence records downloaded via
GBIF.org published by institutions in Uganda

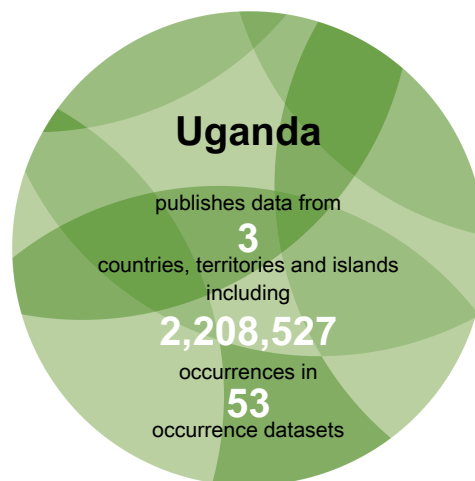


Data mobilization

Data sharing with country or area of origin by national institutions in Uganda



Data sharing with country or area of origin



The chart above shows the number of records shared over time by publishers within Uganda, with separate colours for records about species occurring within undefined and those occurring elsewhere.

Top data contributors about biodiversity in Uganda

Rank	Country or area	No. of occurrences
1	Uganda	2,207,223
2	United States of America	284,982
3	United Kingdom	113,403
4	Netherlands	53,871
5	Finland	38,142
6	Belgium	34,059
7	International organization or unknown country	23,996
8	Kenya	21,923
9	Estonia	21,747
10	Norway	19,391

Table 1. Ranking of countries or areas contributing data about Uganda

Top datasets contributing data about Uganda

- EOD – eBird Observation Dataset. 2,048,298 occurrences in Uganda. (Last updated 29 Oct 2025)
- VectorBase (Bioinformatics Resource for Invertebrate Vectors of Human Pathogens). 132,515 occurrences in Uganda. (Last updated 19 Mar 2024)
- National Biodiversity Data Bank. Observation records, 1900-2014. 57,218 occurrences in Uganda. (Last updated 28 Sep 2021)
- iNaturalist Research-grade Observations. 55,362 occurrences in Uganda. (Last updated 31 Dec 2025)
- Royal Botanic Gardens, Kew - Herbarium Specimens. 52,920 occurrences in Uganda. (Last updated 2 Jan 2026)

See all contributing countries and areas or datasets: gbif.org/country/UG/about



Uganda participates in the following projects coordinated by GBIF

GBIF Africa Nodes data mobilization, ecological niche modelling and data paper training and mentorship

Capacity Enhancement Support Programme, 2015–2016

This project is centred on providing practical training on ecological niche modelling and the preparation of data papers to participants from up to 10 nodes in Africa using real datasets for threatened or invasive species to be published to the GBIF network.

<https://www.gbif.org/project/82204>

Advancing freshwater biodiversity data access, utility and relevance for conservation decision-making in Uganda

BID: Biodiversity Information for Development, 2021–2023

<https://www.gbif.org/project/BID-AF2020-145-USE>

Biodiversity data mobilization in the Albertine Rift region

BID: Biodiversity Information for Development, 2016–2017

This project strengthens the ARBIMS portal and expands the data managers' network.

<https://www.gbif.org/project/82764>

Mobilizing plant diversity data in Uganda through training

BID: Biodiversity Information for Development, 2016–2017

The project aims to identify data holders from Uganda engaged in active monitoring and management of plant biodiversity data

<https://www.gbif.org/project/82781>

Increasing capacity for conservation of threatened fish species through data mobilization and training

BID: Biodiversity Information for Development, 2017–2019

The goal of this project is to increase capacity for conservation of threatened fish species through data mobilization and training. The specific objectives are (1) to mobilize data on at least 10,000 fish records from Uganda's aquatic systems (including lakes, rivers and streams, and wetlands), (2) identify and train scientists active in monitoring and management of fish biodiversity data in the use of data publishing tools, and (3) create awareness among policy makers in use of biodiversity information for decision making.

<https://www.gbif.org/project/5MKPHm718koog2OYmgqKKI>

See all GBIF projects
[gbif.org/resource/search?contentType=project](https://www.gbif.org/resource/search?contentType=project)